

## PRODUCT DATA SHEET

# EVERBUILD TECNIC® FIRE SEALANT 300

AN INTUMESCENT AND ACOUSTIC ACRYLIC SEALANT THAT SWELLS WHEN EXPOSED TO TEMPERATURES IN EXCESS OF 150°C

### PRODUCT DESCRIPTION

EVERBUILD TECNIC® FIRE SEALANT 300 is a five hour rated, one part, emulsion acrylic based, intumescent sealant that gives a firm yet flexible seal to joints in a variety of fire rated structures. Tested in accordance with BS EN 1366-4:2006 as detailed in Warrington Fire Research Report No.181967 (May 2009) The product, in suitably designed joints will resist the passage of fire for up to 5 hours. The selected fillers used in this formulation also make it suitable for use as an acoustic sealant.

### USES

Recommended for:

Sealing joints, voids and irregular holes in fire walls, partitions and other structures; also for maintaining the integrity of pipes and cables that penetrate them.

For internal perimeter pointing of fire rated door and window frames.

### CHARACTERISTICS / ADVANTAGES

- When exposed to heat, it swells greater than 3 x it's original size, so creating a char that will resist the passage of fire for up to 5 hours.
- No priming required for most construction substrates.
- Joint movement capability of +/- 12.5%.
- For use in joints up to 50mm wide.
- Halogen free.
- Non slump - easy to apply and tool off.
- Tack free in 15 minutes.
- Over paintable.
- Excellent acoustic properties for sound deadening –average noise reduction of 29dB.

### APPROVALS / STANDARDS

- Tested in accordance with BS EN 1366-4:2006 as detailed in Warrington Fire Research Report No. 181967 (May 2009).
- Acoustic rated to BS EN ISO 140/3:2005
- Tested for Air permeability to EN13141-1 Ventilation for buildings. Performance testing of components/products for residential ventilation.
- CE marked under ETAG 026 Part 3 European Technical Assessment 13/1058
- Tested in accordance with BS EN 1366-3:2009 as detailed in Warrington Fire Research Report No. 349127 (Feb 2015)
- UL Listed

### PRODUCT INFORMATION

<b>Packaging</b>	380ml cartridge and 600ml foil
<b>Colour</b>	Grey and white
<b>Shelf Life</b>	Use within 24 months.

**Storage Conditions**

Store in cool dry conditions between + 5°C and 30°C.

**Joint Design**

Max Joint Width - 50mm  
 Joint Movement - + / - 12.5% of Original Size

**Joint Dimensions**

For maximum movement accommodation, it is recommended that:

1. The sealant joint depth should be no less than 5mm
2. Joint depth should be 5mm for joints up to 10mm wide
3. Joints above 10mm in width should be half the width in depth up to 20mm and minimum 10mm for wider joints

Joint depth may be adjusted to the correct size using EVERBUILD JOINT BACKER ROD.

**Curing Rate**

1mm / 24hrs at 50% Relative Humidity 23°C

**Skin Time**

10 minutes

**Tack Free Time**

15 minutes

**SUBSTRATE PREPARATION**

All surfaces must be clean, dry and dust free. All loose or flaking surface coatings, and old sealant and mastic joints, should be removed before application. EVERBUILD TECNIC® FIRE SEALANT 300 does not require a primer on most common surfaces, although adhesion tests are recommended prior to full scale application. If the joint is likely to be immersed or if adhesion is poor (especially on porous surfaces) use FIRE SEALANT 400.

**LIMITATIONS**

- Not for use on substrates that may bleed oils, solvents or plasticisers.
- Not for use where joints are constantly immersed in water, or as part of glazing systems.
- Known to have compatibility problems with some CPVC piping

**VALUE BASE**

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

**LOCAL RESTRICTIONS**

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

**ECOLOGY, HEALTH AND SAFETY**

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

**LEGAL NOTES**

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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